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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: FRANK LOGAN, ET AL )  
Serial No.: Continuation of 09/024,773 )  
Filed: Herewith )  
For: WINDOWS-BASED FLOW-CHARTING )  
GENERATION SYSTEM )

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Dear Sir:

As a preliminary amendment in the above-referenced continuation application filed concurrently herewith, please cancel claims 1-16 and add claims 17-<sup>36</sup>~~38~~ as specified below.

IN THE CLAIMS

Please add the following new claims.

17. (New). A machine programming and control system, comprising:  
a machine;  
a computer based controller coupled to the machine and being adapted to edit, debug, and generate a continuous multi-block flowchart and to control the operations of the machine in accordance with the flowchart; and  
a display coupled to the computer based controller based controller adapted to aid in editing and generating the flowchart, the display including a screen divided into a plurality of columns and rows, the display for adapted to display the flowchart with a plurality of blocks, each of the plurality of blocks being disposed within a cell defined by the columns and rows.
18. (New). The system, as set forth in claim 17, wherein the computer based controller automatically generates high level source code for the program from the flowchart.
19. (New). The system, as set forth in claim 17, wherein the computer based controller automatically draws a connecting line between two associated ones of the blocks after editing.

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